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(56) Documents Cited

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GB 2108372 A GB 2078091 A GB 2033731 A  
FR 002582212 A FR 002582196 A FR 002278277 A  
US 3643386 A  
WPI Abstract Accession No. 96-072517[08] &  
JP 070327903 A

(58) Field of Search

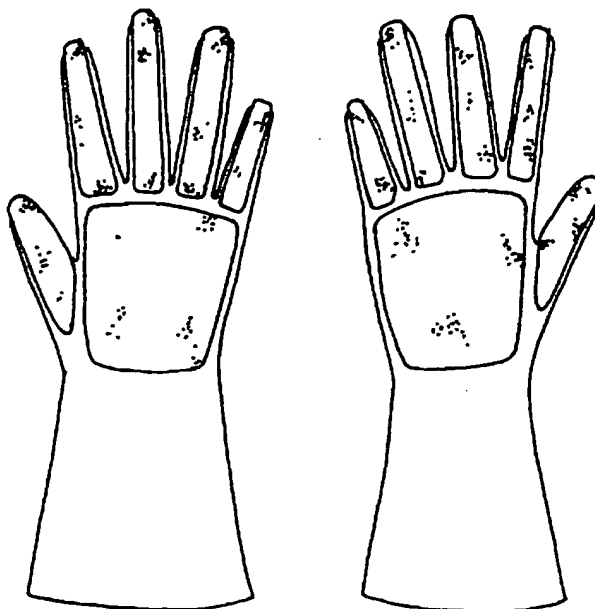
UK CL (Edition Q) A3V  
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Online: EPODOC, JAPIO, WPI

(54) Abstract Title

**Multi-purpose cleaning glove**

(57) A rubber cleaning glove, eg. a scouring glove, has a raised scouring surface so that the glove can be used to perform a variety of domestic and commercial cleaning tasks. The scouring material is securely attached to the main palm areas and entire length of the fingers with a partial wrap over the finger tips.

**Fig1**



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Fig1

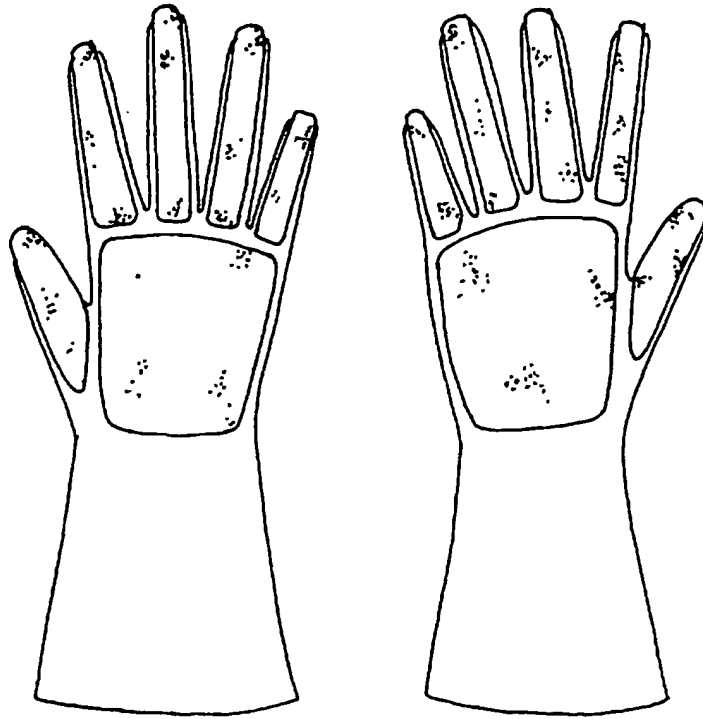
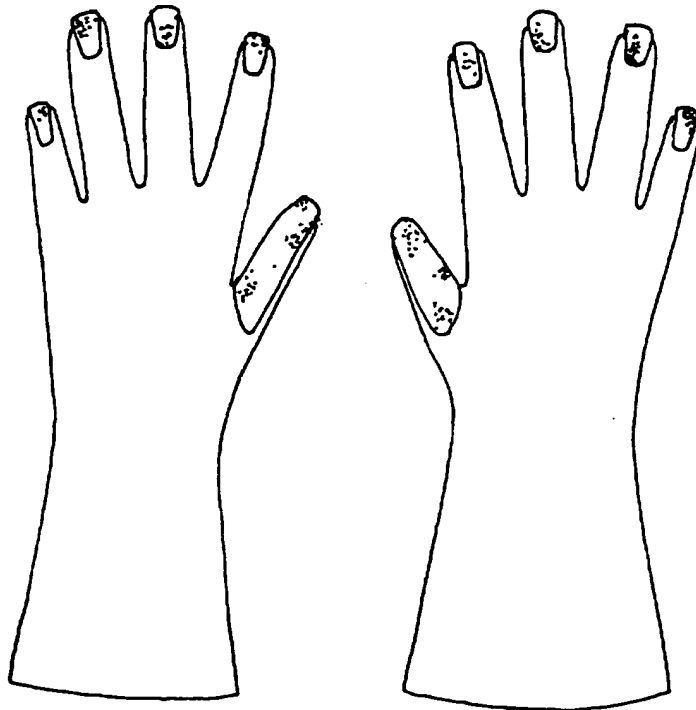


Fig2



## MULTI-PURPOSE CLEANING GLOVES

The invention relates to rubber gloves with a raised scouring surface which will serve numerous functions in domestic and commercial cleaning environments.

Rubber cleaning gloves and scouring pads are well known but suffer from several disadvantages. The glove finger tips are vulnerable to ripping from contact with sharp edges rendering the gloves unsafe and unusable. Accessibility to hard to reach areas is restricted when using scouring products. All too often gloves are not used when cleaning using scouring products and the like which can lead to vulnerability to skin problems and cuts. There are also the cost considerations of having to purchase two or more products and problems when available storage space for cleaning products is restricted.

Accordingly, this invention provides a rubber glove with a raised scouring surface attached to the main palm area and fingers. The scouring surface wraps over to the front of the glove serving the dual function of added protection to the finger tips and nails and also providing additional cleaning flexibility and surface area. The gloves will be produced in a variety of hand sizes in accordance with industry standards.

A preferred embodiment of the invention will now be described with reference to the accompanying drawing in which :

FIGURE 1 shows a view of the gloves palm facing upwards;

FIGURE 2 shows a view of the gloves palm facing downwards.

As shown in Figure 1, the gloves comprise of the base rubber glove with securely attached scouring material to each of the fingers and thumb and also in the main palm area.

Figure 2 shows the gloves palm facing downwards and illustrates the scouring surface wrapped over the finger tips.

The gloves will provide a flexible, convenient, safe and cost effective means of performing every day cleaning tasks such as the washing up. When performing the washing up they will provide the protection and convenience of standard rubber gloves with the combined cleaning function of the scouring pad. They will enable the user to concentrate on the function of washing up without being concerned about gripping separate products in order to carry out the task. They will provide extra security and protection from damage to vulnerable areas of the fingers through tears in the glove material and will provide extra reach and flexibility to clean the awkward and difficult to reach areas.

**CLAIMS**

1. A multi-purpose cleaning glove comprising a rubber glove form with secured raised scouring material to the palm and the length of the fingers with a wrap over to the front area of the fingers.
2. A multi-purpose cleaning glove substantially as described herein with reference to Figures 1-2 of the accompanying drawing.



Application No: GB 9913502.2  
Claims searched: 1,2

Examiner: Alex Littlejohn  
Date of search: 29 June 1999

## Patents Act 1977 Search Report under Section 17

### Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:  
UK CI (Ed.Q): A3V  
Int CI (Ed.6): A41D 19/00; A47K 7/02, 7/03; A47L 13/18, 13/19  
Other: Online: EPODOC, JAPIO, WPI

### Documents considered to be relevant:

| Category | Identity of document and relevant passage   | Relevant to claims |
|----------|---|--------------------|
| Y        | GB 2224634 A (McLaughlin) see whole document, e.g. Figs 1 and 3                                       | 1,2                |
| Y        | GB 2143720 A (Moore) see especially Fig 1   | 1                  |
| X        | GB 2113977 A (Smith) see especially Figs 1-4  |                    |
| X        | GB 2108372 A (Hendrie) see whole document   | 1,2                |
| X        | GB 2078091 A (Early) see fourth sheet of drawings especially  | 1,2                |
| X        | GB 2033731 A (Muller) see Figs 1 and 2  | 1,2                |
| X        | FR 2582212 A (Azoulay) see abstract and Fig 1   | 1,2                |
| X        | FR 2582196 A (Bridonneau) see abstract and drawings   | 1                  |
| X        | FR 2278277 A (Scott) see abstract and drawings  | 1                  |
| X        | US 3643386 (Grzyll) see especially Figs 1 and 3   | 1                  |
| Y        | WPI Abstract Accession No 96-072517[08] & JP 070327903 A (Hasegawa) 19.12.95 see abstract and drawing | 1,2                |

X Document indicating lack of novelty or inventive step  
Y Document indicating lack of inventive step if combined with one or more other documents of same category.

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P Document published on or after the declared priority date but before the filing date of this invention.  
E Patent document published on or after, but with priority date earlier than, the filing date of this application.